

20010509.ba v03\_n156.bam.20010509

>From ???@??? Wed May 9 12:15:11 2001 -0500  
Message-Id: <200105091714.f49HEuDk029429@sco.theporch.com>  
Date: Wed, 9 May 2001 12:14:17 CDT  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 3156

## BOATANCHORS Digest 3156

Topics covered in this issue include:

- 1) RE: AVC and CW  
by Morris Odell <Morris0@vifp.monash.edu.au>
- 2) RE: AVC and CW  
by Al Klase <skywaves@bw.webex.net>
- 3) Re: RCA 807's TX & Modulator  
by Arden Allen <gumbear@pacbell.net>
- 4) 2A3 substitute for class B modulator drivers  
by Scott Robinson <spr@earthlink.net>
- 5) Re: 2A3 substitute for class B modulator drivers  
by "Paul Monroe" <pmonroe@charter.net>
- 6) Miscellaneous for Sale  
by K8MF0@aol.com
- 7) RE: RCA 807's TX & Modulator  
by "Richard W. Solomon" <wlkszt@tiac.net>
- 8) Re: RCA 807's TX & Modulator  
by W7QH0@aol.com
- 9) Radio Reviews in Short Wave Magazine  
by Paul Bernhardt <bern@ppdmail.nrl.navy.mil>
- 10) \$200 PAID FOR BC-942 RECEIVER  
by David Stinson <arc5@ix.netcom.com>
- 11) Re: 2A3 substitute for class B modulator drivers  
by Arden Allen <gumbear@pacbell.net>
- 12) Re: 2A3 substitute for class B modulator drivers  
by W7QH0@aol.com
- 13) Antique Radio Swap Meet--Portland, Oregon  
by Liles and Naomi Garcia <naomi@ftconnect.com>
- 14) 2A3s  
by "Don Davis" <dxguy@earthlink.net>
- 15) Another 2A3  
by "Don Davis" <dxguy@earthlink.net>
- 16) Re: Radio Reviews in Short Wave Magazine  
by "russ dworakowski" <wb3fau@hotmail.com>
- 17) Re: 2A3 & 6A5  
by "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
- 18) Re: 2A3 substitute for class B modulator drivers, 12B4A

by Kd6b@aol.com  
19) ID THIS PLEASE!  
by "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>  
20) Military keys FS  
by BEN NOCK <G4BXD@compuserve.com>  
21) German HRO ?  
by BEN NOCK <G4BXD@compuserve.com>

-----  
Message-ID:  
<07A064EA6042D4118A62009027F70E77051894@nt\_exchange.vifp.monash.edu.au>  
From: Morris Odell <MorrisO@vifp.monash.edu.au>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: AVC and CW  
Date: Tue, 8 May 2001 07:59:18 +1000  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Bob Roehrig wrote:

> I recall the SX-28 having a split IF system, however I don't  
> know if the  
> BFO affected the AVC or not.

No, the SX-28 turns off the AVC when the BFO is on. The split IF refers to the noise blanker.

73,

Morris VK3DOC

-----  
Message-ID: <3AF71D2C.D631B658@bw.webex.net>  
Date: Mon, 07 May 2001 18:09:48 -0400  
From: Al Klase <skywaves@bw.webex.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: AVC and CW  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Rob and the Group,

Of course, the AVC can be used with the BFO on in most

receivers, but the BFO signal desensitizes the radio to weak signals if the same detector is used for signal and AVC, or if the BFO leaks into the AVC detector. (Watch the S-meter move upscale when you turn on the BFO.)

The classic solution is to split the IF signal path, and have a separate final IF amp and detector for the two functions. This was done in the Hammarlund Super Pro's as early as 1935. I'm not sure the AVC time constants are correct for really great CW. I think the main aim was effective AVC for RTTY use.

I'll have to dig out my SP-110 and see how it does.

The whole issue of AVC for CW gets complicated. You want fast attack and slow decay. The decay is pretty easy, just add more capacitance, but the detector might not have enough poop to charge the larger cap quickly enough to avoid thumps on the leading edge.

Once you do achieve the right attack and decay time constants, you bang into some second order problems. Like the strong guy signs and a weaker station picks up, but the AGC still has the gain turned down for another half second. Similar problems occur with lightning crashes or when tuning across the band. Really effective receivers implement "Hang AGC" wherein a second shorter-time-constant circuit dumps the main AGC cap when the signal drops out.

73,  
Al

"Robert G. Flory" wrote:

>  
> Hello,  
>  
> W8KGI's comment on adjustment of HRO(and receivers like it) for CW  
> operation reminded me of a question that has been bugging me for a while.  
>  
> Which were the first receivers that incorporated an AVC system that could  
> be used on CW and how did they implement it?  
>  
> 73, Rob K2WI

--  
Al Klase - N3FRQ  
skywaves@bw.webex.net  
Flemington, NJ 08822  
Web Page: <http://www.webex.net/~skywaves/home.htm>

-----

Date: Mon, 07 May 2001 19:18:42 -0700  
From: Arden Allen <gumbear@pacbell.net>  
Subject: Re: RCA 807's TX & Modulator  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <0GCZ00LC3VU9A0@mta5.snfc21.pbi.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=ISO-8859-1  
Content-transfer-encoding: 7bit

Don sez:

> .....No critical or rare  
> components are used that I see, though they recommend using 2A3's for  
audio  
> drivers and that's a bad idea given today's 2A3 prices. ....

I think so many of the power pentodes have data for triode connected  
operation is because of the desirability of triode operation for such  
things as modulator driver stages. So who will volunteer having used  
triode connected power pentodes for drivers? There is a way around  
audiophoolia perhaps?

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
Message-Id: <v03007800b71d2fe5271a@[216.175.111.83]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Date: Mon, 7 May 2001 22:10:01 -0700  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Scott Robinson <spr@earthlink.net>  
Subject: 2A3 substitute for class B modulator drivers

Scott Robinson wrote:

>  
> Folks,  
>  
> 6BL7's are good power triodes to sub for 2A3, and not expensive. They  
> were used for TV vertical outputs. They look like a 6SN7 and have the  
> same pinout, but do allow for the 1.5A heater current...  
>  
> Regards,  
>  
> /scott  
>  
> Merz Donald S wrote:  
> >  
> > Hi. I have no time for building at the moment. But I find this list useful

> > for lots of the repair work and fooling around that I do in my vintage  
> > shack.  
> >  
> > Recently, I read a neat set of articles in the May-June, 1947 issue of RCA  
> > Ham Tips. If I did have time to build something, this might be it. It shows  
> > complete plans for a transmitter and modulator, each of which use a pair of  
> > 807's. The total parts count is low. The design is simplicity itself.  
> > Frequency coverage is 3-30mc using plug-in coils. No critical or rare  
> > components are used that I see, though they recommend using 2A3's for audio  
> > drivers and that's a bad idea given today's 2A3 prices. But this is  
> > otherwise a very classy little rig. You have to provide a separate speech  
> > amplifier and power supply to deliver 750V, etc.  
> >  
> > 807's are still cheap and probably the most respected tube in vintage AM/CW  
> > work. So I thought someone might like to try this. To that end, I am  
> > offering free copies of this issue of Ham Tips to anyone that might be  
> > interested. If that someone could be you, then please send me a stamped,  
> > self-addressed #10 (business) envelope with two 34-cent stamps on it. And I  
> > will get the plans for this neat rig right out to you.  
> >  
> > My address is Don Merz, N3RHT, 47 Hazel Drive, Mt. Lebanon, PA 15228.  
> >  
> > 73, Don Merz, N3RHT  
> >  
> --  
> Scott Robinson  
> spr@earthlink.net  
>  
> Junque is GOOD for you!

Scott Robinson  
spr@earthlink.net

Junque is GOOD for you!

-----  
Message-ID: <001401c0d7bb\$83f68000\$946df118@Default>  
From: "Paul Monroe" <pmonroe@charter.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: 2A3 substitute for class B modulator drivers  
Date: Tue, 8 May 2001 07:36:33 -0500  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

There is another triode out there that does a great job as power amplifier

and class B driver, the 6080. It's a lot cheaper than 2A3's. Also, a pentode cathode follower and a 1:1 transformer makes a pretty good low impedance class B driver.

Triode connected pentodes act like high mu triodes and they have a relatively high output impedance; not good candidates for class B drivers.

73,

Paul, W9MEH

-----  
From: K8MF0@aol.com  
Message-ID: <24.1329ef33.282982a2@aol.com>  
Date: Tue, 8 May 2001 13:10:58 EDT  
Subject: Miscellaneous for Sale  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

It is raining in Ohio, so it is a "farmer's holiday". Have to clean out the ham shack -- why am I always saying that?

Miscellaneous Items for Sale. All prices INCLUDE SHIPPING in USA. Other destinations are a bit extra.

1. Les Logan Model 515 telegraph bug. \$85
2. Astatic Model 333-H dynamic microphone. Has lavalier holder and chain. \$12
3. War Department Technical Manual TM 11-314. "Antennas and Antenna Systems". Dates back to 30 November 1943. 187 pages. Complete and in good condition. \$15.
4. Weston Instruments AC Voltmeter. Has 3 ranges (150, 300, 600 volts). Separate terminals on side for each range. Has carrying handle. Looks unused. \$16.
5. Book, "Radio Frquency Interference". Published by ARRL. 64 pages. \$5
6. Book, "Television Interference, Second Edition". From Remington Rand Laboratory of Advanced Research. Edited by Phillip Rand. Over 100 pages. \$8.
7. Book, "Coyne Electrical Trouble Shooting Manual". c. 1948 from Coyne Electrical School, Chicago. Over 600 pages. \$12.

8. Book, "Packet Radio General Information Handbook" by Buck Rogers, K4ABT.  
\$5
9. Book, "From 5 watts to 1000 watts" from Radio Shack. 153 pages.  
Actually a nice book for teaching basic theory, CW, and other amateur  
matters. \$5
10. Three (3) Radio Amateur Callbooks. U.S. Winter 1970-71, Foreign Spring  
1964, and Foreign Summer 1957. All 3 for \$10.
11. NOS Triad Transformer Corp. filament transformer. Primary 115v. 26.8  
v. at 1 amp secondary. Never used. \$10

Again, all prices INCLUDE SHIPPING in USA.

73

Don Karvonen K8MFO

-----  
From: "Richard W. Solomon" <w1kszt@tiac.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: "Boatacnhors" <boatanchors@theporch.com>  
Subject: RE: RCA 807's TX & Modulator  
Date: Tue, 8 May 2001 17:52:27 -0400  
Message-ID: <LOBBJFMMJJCIMDIAGBJLKEJAFNAA.w1kszt@tiac.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I once used a pair of 813's connected as Triodes, modulating a pair of  
4CX250B's on 6 & 2 Meters. I got a beautiful sine wave out (driving it  
with a good sig gen) at the 600 watt level.  
Did the DX (and my neighbors !!) hear me.

73, Dick, W1KSZ

-----Original Message-----  
From: owner-boatanchors@theporch.com  
[mailto:owner-boatanchors@theporch.com]On Behalf Of Arden Allen  
Sent: Monday, May 07, 2001 10:19 PM  
To: Old Tube Radios  
Subject: Re: RCA 807's TX & Modulator

Don sez:

> .....No critical or rare  
> components are used that I see, though they recommend using 2A3's for  
audio  
> drivers and that's a bad idea given today's 2A3 prices. ....

I think so many of the power pentodes have data for triode connected operation is because of the desirability of triode operation for such things as modulator driver stages. So who will volunteer having used triode connected power pentodes for drivers? There is a way around audiophoolia perhaps?

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
From: W7QH0@aol.com  
Message-ID: <91.a906b61.2829cd15@aol.com>  
Date: Tue, 8 May 2001 18:28:37 EDT  
Subject: Re: RCA 807's TX & Modulator  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 5/8/01 2:51:09 PM, w1kszt@tiac.net writes:

>I once used a pair of 813's connected as Triodes, modulating a pair of  
>  
>4CX250B's on 6 & 2 Meters. I got a beautiful sine wave out (driving it  
>  
>with a good sig gen) at the 600 watt level.

For specs on triode connected 813s see ER #57, Jan. 94.

Dennis D. W7QH0  
Glendale, CA

-----  
Date: Tue, 8 May 2001 21:31:45 -0400 (EDT)  
From: Paul Bernhardt <bern@ppdmail.nrl.navy.mil>  
cc: "'Milsurplus\_list'" <milsurplus@qth.net>,  
boatanchors <boatanchors@theporch.com>, boatanchors@qth.net,  
glowbugs@piobaire.mines.uidaho.edu, r-390@qth.net,  
armyradios@yahoogroups.com  
Subject: Radio Reviews in Short Wave Magazine  
Message-ID: <Pine.LNX.4.21.0105082123480.23079-100000@ppdmail.nrl.navy.mil>



MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII  
To: Old Tube Radios <boatanchors@theporch.com>

Everyone might want to subscribe to Short Wave Magazine (SWM) published by PW Publishing Ltd., Arrowsmith Court, Station Approach Broadstone, Dorset BH18 SPW, England. They have been running a series of articles by John Wilson G3PCY reviewing our favorite receivers. He has described the characteristics of the Racal RA-17 (December 2000), the Rohde & Schwarz EK-07 (March 2001), and the BC-348 (May 2001). All of these are compared with the Collins 51S1. The BC-348 in the latest issue holds up very well. The RA-17 has the worst phase noise of the lot.

Cheers, Paul Bernhardt

Work: P.A. Bernhardt	Home: Paul Bernhardt, KF4FOR
Code 6794	5704 Ridge View Dr.
Naval Research Laboratory	Alexandria, VA 22310
Washington, DC 20375	
Tel: 202-767-0196	703-960-9656
FAX: 202-767-0631	

-----  
Message-ID: <3AF8A6A3.F8937AC9@ix.netcom.com>  
Date: Tue, 08 May 2001 21:08:35 -0500  
From: David Stinson <arc5@ix.netcom.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: \$200 PAID FOR BC-942 RECEIVER  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I will pay \$200 plus shipping for a BC-942 receiver in good/clean/unmodified condition. Negotiable price for other conditions.

This unit looks like the ARC-5 VHF R-28 VHF receiver, but has a "U.S. ARMY SIGNAL CORPS" nomenclature tag and will have other differences that distinguish it from the ARC-5 model.

Thanks,  
Dave Stinson AB5S  
arc5@ix.netcom.com

-----  
Date: Tue, 08 May 2001 20:56:36 -0700  
From: Arden Allen <gumbear@pacbell.net>

Subject: Re: 2A3 substitute for class B modulator drivers  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <0GD1004AFUY9HU@mta6.snfc21.pbi.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=ISO-8859-1  
Content-transfer-encoding: 7bit

Hi Paul;

> Triode connected pentodes act like high mu triodes and they have a  
> relatively high output impedance; not good candidates for class B  
drivers.

Well, let's see how a typical example holds up:

Comparing a triode connected 6V6 with a 2A3 .....

Amplification factor - 2A3, 4.2; 6V6, 9.8

Plate resistance - 2A3, 800 ohms; 6V6, 1960 ohms

Transconductance - 2A3, 5250 umhos; 6V6, 5000 umhos

In actual circuit operation, I think the differences are of little  
consequence. Running some cathode degeneration will bring plate resistance  
down further. Besides, what else ya gonna do with those oodles of 6V6's we  
all have?

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
From: W7QHO@aol.com  
Message-ID: <50.1574d336.282a2635@aol.com>  
Date: Wed, 9 May 2001 00:48:53 EDT  
Subject: Re: 2A3 substitute for class B modulator drivers  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Browsing through the tube specs in a 1962 handbook the following caught my  
eye:

6CK4; Plate res. 1.0K, amp. factor 6.7, Trans. 6500, 6.3 V @ 1.25 amp.

Don't know how hard these are to get. Note that the current AES catalog sez  
"Call."

Dennis D. W7QH0

-----  
Message-ID: <3AF8E06A.ADE598AB@ftconnect.com>  
Date: Tue, 08 May 2001 23:15:06 -0700  
From: Liles and Naomi Garcia <naomi@ftconnect.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Antique Radio Swap Meet--Portland, Oregon  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Good evening Fellow Boatanchors,

I just wanted to post this for those here in the Pacific Northwest that might be interested:

Antique Radio Swap Meet presented by the Northwest Vintage Radio Society  
( Portland, Oregon )

Saturday, May 12, 2001 from 9:00 AM to 2:00 PM

Salvation Army Rose Center, corner of NE Sandy Blvd and NE 18th Street  
in Portland

Sale tables are still available, for further information call Charlie  
Kent (503) 281-9335

If you would like more information, email me or else call Charlie.

Thanks and regards from Aloha, Oregon,  
Liles Garcia  
naomi@ftconnect.com

-----  
Message-ID: <019801c0d85c\$6c87bdc0\$89e9b3d1@hppav>  
From: "Don Davis" <dxguy@earthlink.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: 2A3s  
Date: Wed, 9 May 2001 00:48:22 -0700  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="-----\_NextPart\_000\_0195\_01C0D821.BF671C60"

This is a multi-part message in MIME format.

-----=\_NextPart\_000\_0195\_01C0D821.BF671C60  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Actually, 2A3s are plentiful and fairly cheap. They show up on ebay =  
continuously, for \$10 - \$200 each depending on condition, brand, type, =  
etc. Much less if you buy a large lot of stuff. Average price per pair =  
(NIB) seems to be about \$60 - \$70. Avoid the audiofool "special" plate =  
color, getter types, etc. A 2A3 is a 2A3, is a 2A3. I bought several =  
of these NIB RCAs for about \$20 each a while back.

Much better choice is the 6B4 which is electrically identical, but has a =  
much easier filament voltage to deal with (lower current, cheaper xfmr) =  
and is in the octal package. A quick search shows several of these have =  
traded recently for about \$35 - \$40 per pair (NIB). Type 31 is also =  
similar but harder to get, and the 45 will work as well (easy to find, =  
and cheap). =20

Good luck!

73s

Don Davis AD6PB

-----=\_NextPart\_000\_0195\_01C0D821.BF671C60  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

\* \* \* \* \*  
\* ---REMAINDER OF MESSAGE TRUNCATED--- \*  
\* This post contains a forbidden message format \*  
\* (such as an attached file, a v-card, HTML formatting) \*  
\* Mail Lists at theporch.com only accept PLAIN TEXT \*  
\* If your postings display this message your mail program \*  
\* is not set to send PLAIN TEXT ONLY and needs adjusting \*  
\* \* \* \* \*

-----=\_NextPart\_000\_0195\_01C0D821.BF671C60--

-----  
Message-ID: <027601c0d860\$1952f120\$89e9b3d1@hppav>  
From: "Don Davis" <dxguy@earthlink.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Another 2A3  
Date: Wed, 9 May 2001 01:14:40 -0700  
MIME-Version: 1.0

Content-Type: multipart/alternative;  
boundary="-----=\_NextPart\_000\_0273\_01C0D825.6C4C4060"

This is a multi-part message in MIME format.

-----=\_NextPart\_000\_0273\_01C0D825.6C4C4060  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Another 2A3 version: Try the 6A5. Indirectly heated version of the 6A3 =  
with heater midtap connected to cathode in octal package. I use these =  
in my old Collins comm'l units & they are cheap and plentiful.

Don Davis AD6PB

-----=\_NextPart\_000\_0273\_01C0D825.6C4C4060  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

\* \* \* \* \*  
\* ---REMAINDER OF MESSAGE TRUNCATED--- \*  
\* This post contains a forbidden message format \*  
\* (such as an attached file, a v-card, HTML formatting) \*  
\* Mail Lists at theporch.com only accept PLAIN TEXT \*  
\* If your postings display this message your mail program \*  
\* is not set to send PLAIN TEXT ONLY and needs adjusting \*  
\* \* \* \* \*

-----=\_NextPart\_000\_0273\_01C0D825.6C4C4060--

-----  
From: "russ dworakowski" <wb3fau@hotmail.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: milsurplus@qth.net, boatanchors@qth.net,  
glowbugs@piobaire.mines.uidaho.edu, r-390@qth.net,  
armyradios@yahoogroups.com  
Subject: Re: Radio Reviews in Short Wave Magazine  
Date: Wed, 09 May 2001 05:06:30 -0400  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed  
Message-ID: <LAW2-F58134IpLcEcLs00000d21@hotmail.com>

Gee, I wonder if they ever tested the Drake R8-R8A or R8B? Russ

>From: Paul Bernhardt <bern@ppdmail.nrl.navy.mil>  
>Reply-To: bern@ppdmail.nrl.navy.mil

>To: Old Tube Radios <boatanchors@theporch.com>  
>CC: "'Milsurplus\_list'" <milsurplus@qth.net>, boatanchors  
><boatanchors@theporch.com>, boatanchors@qth.net,  
>glowbugs@piobaire.mines.uidaho.edu, r-390@qth.net,  
>armyradios@yahoogroups.com  
>Subject: Radio Reviews in Short Wave Magazine  
>Date: Tue, 8 May 2001 21:31:45 -0400 (EDT)  
>  
>Everyone might want to subscribe to Short Wave Magazine (SWM) published by  
>PW Publishing Ltd., Arrowsmith Court, Station Approach Broadstone, Dorset  
>BH18 SPW, England. They have been running a series of articles by John  
>Wilson G3PCY reviewing our favorite receivers. He has described the  
>characteristics of the Racal RA-17 (December 2000), the Rohde & Schwarz  
>EK-07 (March 2001), and the BC-348 (May 2001). All of these are compared  
>with the Collins 51S1. The BC-348 in the latest issue holds up very well.  
>The RA-17 has the worst phase noise of the lot.  
>  
>Cheers, Paul Bernhardt  
>  
>Work:P.A. Bernhardt Home: Paul Bernhardt, KF4FOR  
> Code 6794 5704 Ridge View Dr.  
> Naval Research Laboratory Alexandria, VA 22310  
> Washington, DC 20375  
>Tel: 202-767-0196 703-960-9656  
>FAX: 202-767-0631  
>

-----  
Get your FREE download of MSN Explorer at <http://explorer.msn.com>

-----  
Date: Wed, 9 May 2001 08:51:59 -0400 (EDT)  
From: "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>  
Message-Id: <200105091251.IAA20720@aa4rm.ba-watch.org>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: boatanchors@theporch.com  
Subject: Re: 2A3 & 6A5

6A5 oughta be best 'causa unipotential cathode. HOWEVER lookin'  
down in a tube tester the ultra-thin cathode sleeves look like  
bare oxide ribbon. I.E. like 6B4G / 6A3 (unmentioned - 6B4 w. 4p  
UX base) / 2A3.

Note 2A3s turn up all the time in "big tube grab-boxes" @ old-timey  
hamfests with 5U4Gs, 6BG6s, etc.. Ofter simply labeled VT95.  
Note there was a pr. in every BC610... and did hams ever have BC610s.  
\$1 to \$2.

And 6B4Gs pull less fil. current OK but have higher volts & SAME fil.  
pwr as 2A3. Hence same size xfmr.

Listening to 2A3s playing AM BC thru UTC LS57 xfmr now.

M

-----  
From: Kd6b@aol.com  
Message-ID: <10.c93accd.282aa9bf@aol.com>  
Date: Wed, 9 May 2001 10:10:07 EDT  
Subject: Re: 2A3 substitute for class B modulator drivers, 12B4A  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 5/8/2001 11:50:00 PM EST, W7QH0@aol.com writes:

<< boatanchors@theporch.com (Old Tube Radios)

Browsing through the tube specs in a 1962 handbook the following caught my  
eye:

6CK4; Plate res. 1.0K, amp. factor 6.7, Trans. 6500, 6.3 V @ 1.25 amp.

Don't know how hard these are to get. Note that the current AES catalog sez  
"Call."

Dennis D. W7QH0 >>  
Dennis and all,  
Other tube places have the 6CK4 and I have had no problem getting them. In  
general, AES is the last place I look for tubes because of their high prices.  
For lower power drivers consider the 12B4A, and the 1626. Basically, you want  
a low mu triode with low output impedance.  
Ken

-----  
Date: Wed, 9 May 2001 11:45:13 -0400 (EDT)  
From: "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>  
Message-Id: <200105091545.LAA20913@aa4rm.ba-watch.org>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: ID THIS PLEASE!

Found this ID plate in a junkbox

<html>  
<pre>

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| Western Electric |
| D-95298         |
| 17000 VOLT      |
| RECTIFIER SWITCHING UNIT |
| serial no. 102  |
|-----|

```

About 3" x 1.5." Would look good on a laptop.

If anyone out there is missing the plate, it's yours

Have hunch it was fm 50kw 30-s BC xmtr. 17KV x 5A makes ~50KW out @ 70% efficiency.

What's the mob vote?

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Date: Wed, 9 May 2001 13:11:33 -0400
From: BEN NOCK <G4BXD@compuserve.com>
Subject: Military keys FS
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <200105091311_MC2-D05C-6AB@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
    charset=ISO-8859-1
Content-Disposition: inline

```

British Navy key, large up/down, adjustable =

gap control, provision for rx/tx switching via front mounted switch,  
heavy, solid, super action. Bright steel case..... 60.00 Pound =

RAF WWII era Fighter Cockpit key, used to control Morse =

via the upper or lower nav lights  
(aircraft to aircraft signalling to avoid breaking radio silence)  
original box, very nice  
condition..... 60.00 Pound



RAF WWII Bomber key, Bathtub, in very nice condition indeed, =  
used with T1154/R1155 in Lancaster, Halifax, =  
Wellington etc..... 40.00 Pound  
  
RAF WWII Type D base station key, large, brown =  
bakerlit, very nice condition..... 60.00 Pound  
  
all plus postage  
  
BN.

-----  
Date: Wed, 9 May 2001 13:11:38 -0400  
From: BEN NOCK <G4BXD@compuserve.com>  
Subject: German HRO ?  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <200105091312\_MC2-D05C-6B3@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
          charset=ISO-8859-1  
Content-Disposition: inline

I'm still in need of a good photograph of  
the German WWII version of the HRO set.

If anyone has this set maybe they can get it touch with me at:

G4BXD@qsl.net

cheers, Ben.  
[www.qsl.net/g4bxd](http://www.qsl.net/g4bxd)

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End of BOATANCHORS Digest 3156  
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